

# Document made available under the Patent Cooperation Treaty (PCT)

International application number: PCT/US04/020354

International filing date: 23 June 2004 (23.06.2004)

Document type: Certified copy of priority document

Document details: Country/Office: US  
Number: 60/482,124  
Filing date: 23 June 2003 (23.06.2003)

Date of receipt at the International Bureau: 30 August 2004 (30.08.2004)

Remark: Priority document submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b)



World Intellectual Property Organization (WIPO) - Geneva, Switzerland  
Organisation Mondiale de la Propriété Intellectuelle (OMPI) - Genève, Suisse



1214550

# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

August 20, 2004

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A FILING DATE.

APPLICATION NUMBER: 60/482,124

FILING DATE: June 23, 2003

RELATED PCT APPLICATION NUMBER: PCT/US04/20354

Certified by



Jon W Dudas

Acting Under Secretary of Commerce  
for Intellectual Property  
and Acting Director of the U.S.  
Patent and Trademark Office



Please type a plus sign (+) inside this box →

PTO/SB/16(8-00)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control

## PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

INVENTOR(S)					
Given Name (first and middle (if any))		Family Name or Surname		Residence (City and either State or Foreign Country)	
1) Magin Luis		Quiambao, Jr.		Harpers Ferry, WV	
<input type="checkbox"/> Additional inventors are being named on the ___ separately numbered sheets attached hereto					
TITLE OF THE INVENTION (280 characters max)					
Umbrella Mount					
Direct all correspondence to: CORRESPONDENCE ADDRESS					
Customer Number 000027036		Place Customer Bar Code Label Here			
OR Type Customer Number here		27036			
Firm or Individual Name		PATENT TRADEMARK OFFICE			
Megan D. Dortenzo, Esquire Michael T. Smith, Esquire Streptoe & Johnson, P.L.L.C.					
Address		P.O. Box 2190			
City		Clarksburg	State	WV	ZIP 26302-2190
Country		US	Telephone	304-624-8000	Fax 304-624-8183
ENCLOSED APPLICATION PARTS (check all that apply)					
<input checked="" type="checkbox"/> Specification		Number of Pages 3		<input type="checkbox"/> CD(s), Number	
<input checked="" type="checkbox"/> Drawing(s)		Number of Sheet(s) 1		<input type="checkbox"/> Other (specify) Assignment	
<input type="checkbox"/> Application Data Sheet See 37 CFR 1.76					
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT					
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. FILING FEE Filing Fee Amount \$ 80.00					
<input checked="" type="checkbox"/> A check No. 7-022802 is enclosed to cover the filing fees AMOUNT					
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number: 19-4295					
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.					
<input checked="" type="checkbox"/> No.					
<input type="checkbox"/> Yes, the name of the U.S. Government agency and the Government contract number are:					

Respectfully submitted

SIGNATURE

TYPED or PRINTED NAME Megan D. Dortenzo

Telephone 304-624-8000

DATE

REGISTRATION NO. 39,172

(if appropriate)

Docket Number: 733310/00001

### USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is used by the public to file (and by the PTO to process) a provisional application Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing and submitting the complete provisional application to the PTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Provisional Application, Assistant Commissioner for Patents, Washington, D.C. 20231.

PROVISIONAL APPLICATION COVER SHEET





Bank One Center, Sixth Floor  
P.O. Box 2190  
Clarksburg, WV 26302-2190  
(304) 624-8000 (304) 624-8183 Fax  
www.steptoelaw.com

Writer's Contact Information  
304-624-8128  
dortenzo@steptoe-johnson.com

June 23, 2003

***Mail Stop Provisional Patent Application***  
**"Express Mail" Mailing Label No.: EU542810626US**  
**Date of Deposit: June 23, 2003**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: New U.S. Provisional Utility Patent Application  
Appl. No. (to be assigned); Filed: June 23, 2003  
For: **Umbrella Mount**  
Inventor: Magin Luis Quiambao, Jr.  
Our Ref: 733310/00001

Dear Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Provisional Application for Patent Cover Sheet (in duplicate);
2. Complete U.S. Provisional Patent Application (FRP) under 37 C.F.R. §53(c) entitled:

**Umbrella Mount**

and naming as inventor:

**Magin Luis Quiambao Jr.**



Member of the Worldwide Network of Independent Law Firms<sup>SM</sup>



Commissioner for Patents

June 23, 2003

Page 2


the provisional application comprising:

- a. A specification entitled, "Invention Information" (1 Page);
  - b. An additional specification entitled "Additional Invention Disclosure" (2 pages); and
  - c. One (1) sheet informal drawing (figure 1);
3. Our Check No. 7-022802 for \$80.00 to cover the provisional filing fee for patent application (small entity status); and
  4. One (1) return post card.

It is respectfully requested that the attached postcard be stamped with the filing date and unofficial serial number and returned as soon as possible.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-4295. A duplicate copy of this letter is enclosed.

Very truly yours,



Megan D. Dortenzo

MDD/tlb  
Enclosures

733310/00001



## **INVENTION INFORMATION**

**Magin Luis Quiambao, Jr., M.D.  
Route 2, Box 1078  
Harpers Ferry, West Virginia 25425**

### **What My Invention Is And Who Would Use It:**

My invention is an accessory device that allows for the ready attachment and detachment of a small beach umbrella to those common foldable outdoor chairs used at the beach, camping or picnics. It would be used by anyone who uses these kinds of chairs.

### **How The Invention Would Be Made And Used:**

The invention is made of a plastic or pvc tube of 12-13 inches in length and about 1 inch in the inside diameter. At each end of the tube 1.5 inch wide foam/sponge rubber collars are attached, to which a Velcro strap is riveted. At one end of the tube is machine screw that traverses the diameter of the tube. Below the top foam/sponge rubber collar is a threaded hole through which a thumb screw passes. The tube is attached to the leg of the chairs and acts as a receptacle to the umbrella pole. The machine screw keeps the pole from passing all the way through the tube. Thumb screw retains the pole in place

### **Unique Features And Benefits:**

To utilize a beach umbrella, one must have sufficiently soft ground in order to support the pole. This limits the use of such an umbrella to those areas. My device would enable the use of the umbrella to hard surfaces outdoors, such as a deck or patio. There are other chair mountable umbrellas available, but are of limited size and utility. Up to 3 persons would be able to utilize a single umbrella with my device



## **ADDITIONAL INVENTION DISCLOSURE**

### **UMBRELLA MOUNT**

Inventor: Magin Luis Quiambao, Jr.

#### **FIELD OF INVENTION**

This invention relates to devices for holding umbrellas, and in particular, to a portable device which can be mounted to a support shaft, e.g., a chair leg, and is adapted for receiving and supporting an umbrella.

#### **SUMMARY OF INVENTION**

As shown in FIG. 1, the umbrella mount 100 of the present invention is adapted to mount on a leg of a folding chair 101, but this is for convenience. The umbrella 102 mount 100 works equally as well to any chair leg, table leg, post, or vertical shaft (collectively, "support shaft"), so long as the length of the support shaft is less than the height of the umbrella 102.

In operation, a user mounts the tube A onto a support shaft, such as the leg of a folding chair 101, using one or more straps C. In the preferred embodiment, the user uses a top strap (a strap in proximity to the top edge of the tube A) and a bottom strap (a strap in proximity to the bottom edge of the tube A) to secure fully the tube A to the chair leg, but this is for convenience. In an alternative embodiment, any number of straps C may be used and placed at different points along the tube A. In addition, the preferred strap C is a Vecro ® strap, but comparable means for securing may be used, e.g., bungee cords, ties, or strap with snaps, hooks, etc.

A cushioning collar B is placed between each strap C and the tube A in order to absorb the pressure from the tight strap C, thereby protecting the surface of the tube A. The cushioning collar B may be removable from the tube A, or may be affixed to the surface of the tube A with an adhesive, two sided tape, etc. In an alternative embodiment, the use of a cushioning tube B is optional.

Also in the preferred embodiment, a thumb screw E is used to hold the umbrella shaft 103 in the tube A. Specifically, the thumb screw E is tightened in the hole in the tube A wherein the end of the thumb screw E contacts and presses the umbrella shaft 103 against the opposing side of the tube A - holding it in place. The use of a thumb screw E provides the means for the umbrella mount 100 to



accommodate an umbrella shaft 103, of any diameter, so long as the umbrella shaft 103 is less than the inner diameter of the tube A. Alternative means for securing the umbrella shaft 103 within the tube A can be used.

Also in the preferred embodiment, the machine screw D is used to support the bottom end of the umbrella shaft 103, thereby preventing the umbrella shaft 103 from sliding to the bottom end of the tube A. The machine screw D can be placed at any point along the length of the tube A, however, in the preferred embodiment, the machine screw D is in proximity to the end of the tube A. Alternatively, the machine screw D would work equally as well (that is, be of such a distance from the bottom end of the tube A as to provide the needed support to prevent the umbrella shaft 103 from flipping out of the tube A) if located within the bottom 1/4 length of the tube A. The use of a machine screw D is also for convenience, and any means for supporting the umbrella shaft 103 in the tube A would work equally as well, e.g., one or more flanges or protrusions in the hollow cavity of the tube A.

One important advantage of the present invention is that the tube A may be rotated in relation to the support shaft to which it is attached. Thus, a user may rotate the tube A prior to securing it to the support shaft in order to make the thumb screw E easily accessible. or to facilitate the positioning of the umbrella 102 over the chair.

The umbrella mount 100 is described in these terms, these dimensions, and using these components for convenience purpose only. It would be readily apparent to one of ordinary skill in the art to manufacture and use a comparable umbrella mount using different dimensions, and/or comparable components.

## CONCLUSION

While various embodiments of the present invention have been described above, it should be understood that they have been presented by way of example only, and not limitation. It will be understood by those skilled in the art that various changes in form and details may be made therein without departing from the spirit and scope of the invention as defined in the appended claims. Thus, the breadth and scope of the present invention should not be limited by any of the above-described exemplary embodiments, but should be defined only in accordance with the following claims and their equivalents.



- A - PVC tube
- B - Foam Collars
- C - Velcro Cinch Straps
- D - Machine screw
- E - Thumb screw

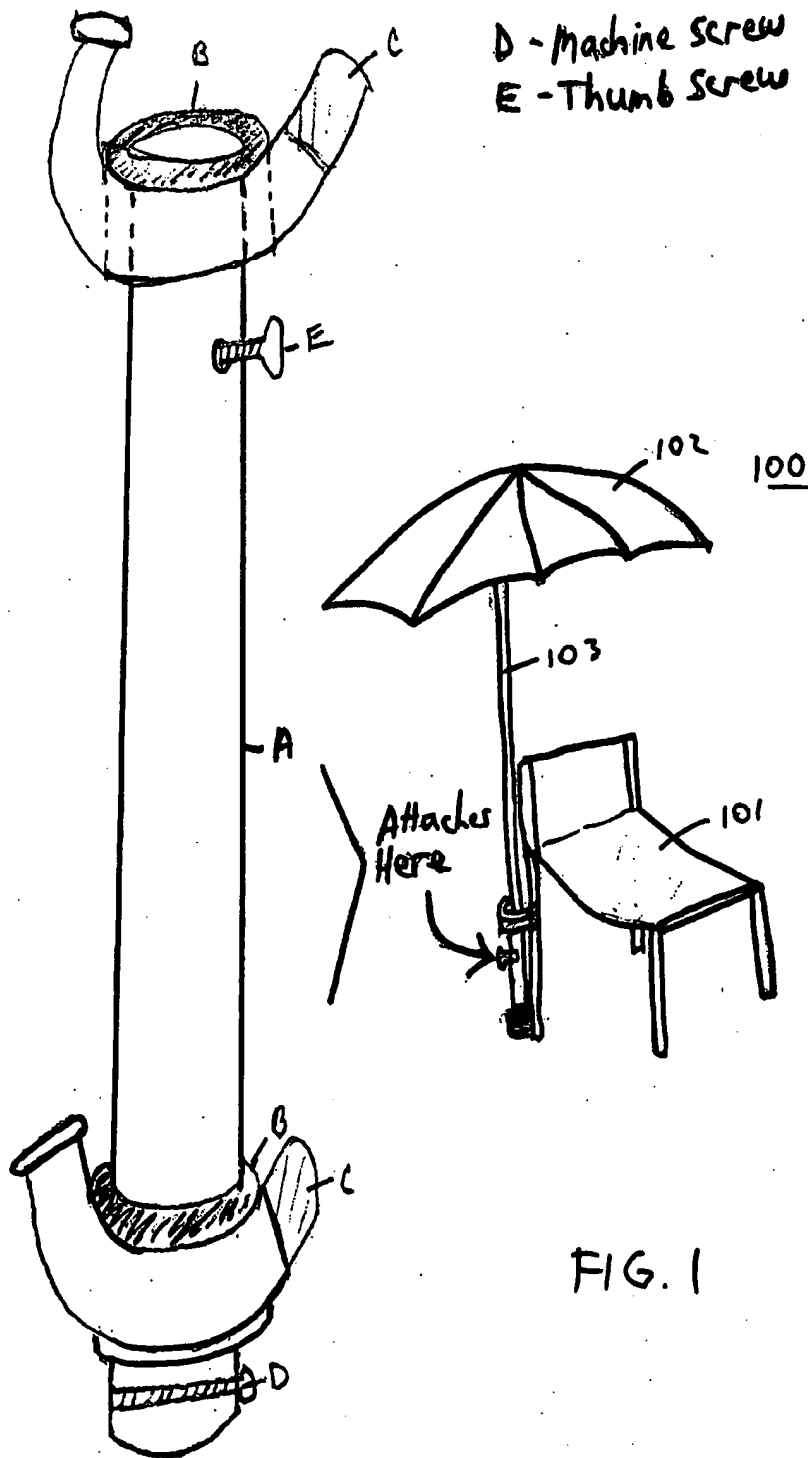


FIG. 1